

MACOMB COMMUNITY COLLEGE TRANSFER GUIDE

COLLEGE OF ENGINEERING AND SCIENCE

ENGINEERING PROGRAMS – NEW CORE

This guide includes the New Core Curriculum effective Fall 2017. Transfer students starting at Detroit Mercy between Fall 2017 and Summer 2021 will have the option to select this New Core or the Old Core. See Transfer Guides indicating “OLD CORE” for prior Core requirements. Course grades must be a C or better. Additional courses not on this guide may also transfer.

The following courses will transfer to Detroit Mercy’s Engineering programs (Architectural, Civil, Electrical, Mechanical, or Robotics & Mechatronic Systems). Normally, students may transfer up to 63 credits. However, due to an Articulation Agreement, students may transfer additional MCC courses that apply toward a Detroit Mercy engineering degree (currently up to 75 Detroit Mercy credits-varies by program).

Detroit Mercy Admissions: admissions@udmercy.edu or 313-993-1245. Website: udmercy.edu

Courses which fulfill Detroit Mercy Core Curriculum Knowledge Area Requirements

Macomb Community College Courses	Detroit Mercy Equivalencies	Core Areas
SPCH 1060 Speech Communication	CST 1010 Fundamentals of Speech	A1
ENGL 1190 or ENGL 1220	ENL 1310 Academic Writing	A2
Satisfied by program requirement	Quantitative and Symbolic Reasoning course	B1
Satisfied by program requirement	Statistical and Probabilistic Reasoning course	B2
Satisfied by program requirement	Physical Sciences course	C1
Satisfied by program requirement	Social Sciences course	C2
PHIL 2010 Introduction to Philosophy	PHL 1000 Introduction to Philosophy	D1
HUMN 1700, 2000, 2100	Choose 1 Religious Knowledge course	D2
HUMN 1700, 2000, 2100; PHIL 2120, 2200, 2400	Choose 1 PHL/RELS Elective course	D3
HIST 1500, 1600, 1700, 2100, 2200, 2520; INTL 2000	Choose 1 Historical Experiences course	E1
ENGL 1730, 2510, 2520, 2600, 2610, 2710-2740, 2800, 2810, 2850, 2855	Choose 1 Literary Experiences course	E2
ARTT 1620, 1625, 2650, 2660; HUMN 1210, 1270, 1300, 1460, 1473, 1476; MACA 1025; MUSC 1030, 1040, 2710, 2720 Architectural Engineering: satisfied by program requirement	Choose 1 Aesthetic Experiences course	E3
ECON 1160 – due to an Articulation Agreement, ECON 1160 may be used as Core E1, E2 or E3 only by students who have completed an Associate degree or Certificate in Pre-Engineering at MCC.		
Satisfied by program requirement	Ethics course	F1

MTA Students only: Transfer students who satisfy the **Michigan Transfer Agreement (MTA)** will have the Core Curriculum Knowledge Area requirements met. Fulfilling the Core Integrating Themes is still necessary. Students should select courses that meet both the MTA and program specific requirements.

These courses fulfill requirements for Detroit Mercy's Engineering Programs:

All Engineering Disciplines

Macomb Community College Courses			Detroit Mercy Equivalencies		
CHEM	1170	General Chemistry I	CHM	1070/1100	General Chemistry I/Lab
MATH	1760	Analytic Geometry & Calculus I	MTH	1410	Analytic Geometry & Calculus I
MATH	1770	Analytic Geometry & Calculus 2	MTH	1420	Analytic Geometry & Calculus II
MATH	2760	Analytic Geometry & Calculus 3	MTH	2410	Analytic Geometry & Calculus III
MATH	2770	Differential Equations	MTH	3720	Differential Equations w/Linear Algebra
PHYS	2220	Analytical Physics 1	PHY	1600/1610	General Physics I/Lab
PHYS	2230	Analytical Physics 2	PHY	1620/1630	General Physics II/Lab

Additional Courses for Architectural Engineering

Macomb Community College Courses			Detroit Mercy Equivalencies		
*ARTT	1060	Basic Drawing 1	ARCH	1110	Visual Communication I
DRCG	1140	Comp Graphics AND ENGR 1000 Intro to Engr	ARCH	2110 AND ENGR 1050	
* Only transferable for Detroit Mercy course listed if approved with portfolio review.					

Additional courses for Civil Engineering

Macomb Community College Courses			Detroit Mercy Equivalencies		
BIOL	1000, 1010, 1310	(or another approved biology course)	Choose 1 approved Biology course		
DRCG	1140	Comp Graphics AND ENGR 1000 Intro Engr	ENGR	1050	Engineering Graphics & Design

Additional courses for Electrical Engineering

Macomb Community College Courses			Detroit Mercy Equivalencies		
ENGR	1000	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ITCS	2530	C++ Programming 1	CSSE	1712	Intro to Programming I
ITCS	2550	C++ Programming 2	CSSE	1722	Intro to Programming II

Additional courses for Mechanical Engineering

Macomb Community College Courses			Detroit Mercy Equivalencies		
ENGR	1000	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ITCS	2530	C++ Programming 1	CSSE	1712	Intro to Programming I

Additional courses for Robotics & Mechatronic Systems Engineering

Macomb Community College Courses			Detroit Mercy Equivalencies		
ENGR	1000	Introduction to Engineering	ENGR	1080	Fundamentals of Engineering Design
ITCS	2530	C++ Programming 1	CSSE	1712	Intro to Programming I
ITCS	2550	C++ Programming 2	CSSE	1722	Intro to Programming II

Entrance Requirements:

- Minimum 2.5 GPA based on 24 or more credits earned at MCC (and/or other accredited institutions).
- If less than 24 credits have been earned, a student's high school transcript is required.
- Apply for admission to Detroit Mercy at udmercy.edu/admission/apply; the application is free.

Contact the Transfer Team if you have any questions: transferteam@udmercy.edu or 313-993-1940.